

SPA
BELGIQUE

THE

MOST ANCIENT

RICHEST

AND MOST CELEBRATED

FERRUGINOUS

SPRINGS

ARE

THE SOURCES OF

SPA
BELGIQUE

ANALYSIS OF THE MINERAL WATERS OF SPA

Made in 1871, by MM. Chandelon and Kupferschlaeger, Professors of the University of Liège

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| | POUHON | TONNELET | NIVEZÉ | SAUVENIÈRE | GROESBECK | GÉRONSTÈRE | BARISART | BATHS South Reservoir |
|------------------------|-----------|-----------|-------------|------------|-----------|-------------|----------|--------------------------|
| Density..... | 1,0014785 | 1,0007990 | 1,0008630 | 1,0003315 | 1,00070 | 1,000802 | 1,000890 | 1,000729 |
| Temp. cent. in summer | 40°, 8 | 9°, 8 | 9°, 7 | 40°, 2 | 40°, 1 | 10°, 1 | 10°, 2 | 41°, 0 |
| Carbonic acid | 25,5278 | 21,5230 | 21,4233 | 24,0707 | 21,9220 | 20,1077 | 23,9540 | 19,7182 |
| Bicarbonate of sodium | 1,2222 | 0,6593 | 0,1259 | 0,635 | 0,2153 | 0,3553 | 0,1331 | 0,1036 |
| Id. potassium.. | 0,1181 | 0,0233 | 0,0319 | 0,0784 | 0,0313 | 0,7631 | 0,0315 | 0,0354 |
| id. calcium.... | 0,150 | 0,5612 | 0,6216 | 1,2655 | 0,5370 | 1,6163 | 0,4143 | 0,6793 |
| id. magnesium | 0,1825 | 0,1332 | 0,2014 | 0,6821 | 0,5129 | 1,3711 | 0,6697 | 0,2075 |
| id. iron..... | 1,9617 | 0,6230 | 0,9901 | 0,7715 | 0,7056 | 0,5565 | 0,5166 | 1,8848 |
| id. manganese | 0,0386 | 0,0162 | 0,0212 | 0,0162 | 0,0143 | 0,0157 | 0,0438 | 0,0165 |
| Chlorure of sodium... | 0,5102 | 0,0736 | 0,1009 | 0,0829 | 0,0729 | 0,1420 | 0,1577 | 0,0998 |
| Sulfate of sodium..... | 0,2316 | 0,0367 | 0,2937 | 0,0438 | 0,0240 | 0,0287 | 0,1281 | 0,2754 |
| Silex | 0,1900 | 0,1400 | 0,1140 | 0,1088 | 0,0813 | 0,1580 | 0,3126 | 0,1150 |
| Alumin..... | 0,1430 | 0,0659 | 0,1000 | 0,0458 | 0,0457 | 0,0345 | 0,0552 | 0,0783 |
| Sulphur hydrogen.... | 0,0011039 | — | 0,000040157 | — | — | 0,004283456 | — | 0,00812166 |
| Dray residue..... | 6,4100 | 1,3000 | 1,69 0 | 2,4470 | 1,9880 | 2,8650 | 4,5550 | 1,7300 |

Countenance in iron of the principal Spring in the city, the POUHON DE PIERRE-LE-GRAND :

1 gram. 96 centigr., for 10000 parties of mineral water

That is to say : a much more extensive proportion than in any other ferruginous water in Europe.

CURATIVE PROPRIETIES OF THE WATERS OF SPA

The mineral ferruginous waters of Spa have been always employed and possess an incomparable efficacy sanctioned by three ages of experiences.

— A. — In the **Chlorosis**, the **Anemis**, the **Debility** preventing the convalescence after long and dangerous diseases.

— B. — In the **Exhaustion** and **nervous Sufferings**, caused by the impoverishment of blood.

— C. — In the **chronic Affections of the stomach and digestive organs**, the **chronical atonic Dyspepsis**, the **chronical Diarrhœas** in the **Palsies** and **anemic Dropsies**.

— D. — In the **Diseases of the Matrice**, the **painful Menstruation**, etc., etc.

— E — In the **Sterility**.

— F. — The springs of la GERONSTÈRE and la SAUVENIÈRE are very powerfrul : the former, in the **chronical Inflammations of the Bronchiœ**; the latter, in the **chronical Catarrhs of the urinary ways** and the **Gravel**.

BATHS OF SPA

THE GREAT ESTABLISHMENT

Cuontains : 1st 80 Cabinets for Ba'hs, furnished with great luxury and comfort : 2nd four rooms of **complete Hydrothérapie**. — **Shower-Baths** of all kind : cold, hot, scotish, with common or ferruginous water. — **Plongeon** of common or mineral waters. — **Sudation Rooms**. — **Mineral water Baths**, instantly warmed. — **Ferruginous mud Baths**. — **Bains à l'Étuve**. — **Russian Baths**. — **Vapour Baths** and **Shower-Baths**. — **Natation Bassin**.

N. B. The splendid Bathing Establishment of Spa is newly constructed after the most modern improvements.

PROVERBIAL SALUBRITY OF SPA

Spa has always been preserved from epidemical diseases, by the pure and vivifying air of its mountains.

SPA

IS IN DIRECT COMMUNICATION WITH THE WHOLE OF EUROPE
by the great railways;

*With England, the Indies, Australia and America
by the sea-ports of Ostende, Anvers, etc.*

HOTELS

{ first class, **Villas, Cottages** and **houses** comfortably furnished.

WALKING-PLACES

{ De Sept-Heures, du Marteau, des Anglais, des Français, de Meyerbeer, d'Orléans, des Artistes, de la commune Poule, de Belle-Heid, de Reckheim, du Ru de Chawion, des Montagnes, forêt de Staneux, etc.

ENVIRONS

{ Les Fontaines, la Ferme de Bérinzenne, Creppe, la vallée de Tolifa, Winamplanche, Desnié, Préfayhay, Sart et Cocquaifagne, Château de Franchimont, Grotte de Remouchamps, Châteaux de Montjardin et des quatre fils Aymon, Aywaille, Val de l'Amblève, Stoumont, La Gleize, Cascade de Coo, La Hoëgne, les Ardennes.—The most picturesque landscapes in the world.

CASINO

{ Conversation Saloons and authorized plays, Ball and Concert Room, Newspapers of all nations, Theatre, Billiards.

MUSIQUE

{ twice a-day in the walking-places at the Fontaines extérieures.

GREAT CONCERTS

{ in the magnificent saloons of the **Casino**. Celebrated artists.

PUBLIC FEASTS

{ Great Ball every Saturday, daily dancing evening parties, Balls for children, Festivals, carabine Shooting, pigeon Shooting, Fishing, Hunting, Illuminations, Fire works, etc., etc.

THEATRE

First order artists. Paris artists playing.

SPORT

{ Race-ground of the Sauvenière, *Courses plates*. Race-ground of the Sart : Great Steeple-chases.

ARDENNAIS HORSES

{ renowned for their docility and sure step. Many little carriages that people may drive privately



Baths-Great Establishment of Spa.

SPA WATERS

SPA Pouhon de Pierre-le-Grand
Anemis, Chlorosis, Consumption.

SPA Source de la Geronstère
Chronical diseases of the respiratory organs.

SPA Source de la Sauvenière
Chronical diseases of the urinary ways.

SPA Source du Groesbeck
Same proprieties as for the source de la Sauvenière

SPA Source de Barizart
Diseases of the Stomach.

SPA Source du Tonnelet
Diseases of children. — Intestine worms.

SPA Source du Champignon
Inflammatory diseases of the eyes.

SPA Source Marie Henriette
For the alimentation of the Baths.